WORK SHEET

Module 6   Calculating Feet Traveled Per Second

Name_____   Date_____

Calculating Feet Traveled Per Second Formula   Score_____

One mile = 5,280 feet

The formula:

5,280 feet ÷ 60 min ÷ 60 Sec =   1.467 feet traveled per second

or simplified method:

speed (say it's 30mph) ÷ 2 = 15 + speed (30mph) = 45 feet/second traveled

INSTRUCTIONS

Use the formula to calculate the distance a vehicle travels at these various speeds.

25mph = _____

35mph = _____

45mph = _____

55mph = _____

65mph = _____

75mph = _____

Solve this problem:
John travels to school every day averaging 30mph. (This time does not account for any stops, delays, etc., which does not typically occur!)   He travels 6 miles one way. How long does it take him to get to school?

John is late one day and increases speed to 40mph. How much time does he save?